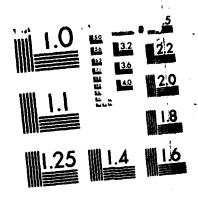
US CIVIL AIRMEN STATISTICS: 1983(U) FEDERAL AVIATION ADMINISTRATION WASHINGTON DC OFFICE OF MANAGEMENT SYSTEMS P W CARTER 31 MAY 84 FAR-AMS-420 AD-A166 361 1/1 UNCLASSIFIED F/G 5/9



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U.S. Department of Transportation

Federal Aviation Administration

U.S. Civil Airmen Statistics 1983

Office of Management Systems

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FAA Statistical Handbook of Aviation is a convenient source for historical data. It presents statistical information pertaining to the Federal Aviation Administration, the National Airspace System, Airports, Airport Activity, U.S. Civil Air Carrier Fleet, U.S. Civil Air Carrier Operating Data, Airmen, General Aviation Aircraft, Aircraft Accidents, Aeronautical Production & Import/Export.

Reporting period: Latest edition: Calendar Year 1982 data

Order from:

U.S. Government Printing Office or National Technical Information Service

Date 1983 information will be available:

Various

Date next publication

is scheduled:

December 1984 (1983 data)

U.S. Civil Airmen Statistics is an annual study of detailed airmen statistics. It contains calendar year statistics on pilot and nonpilots and the number of certificates issued.

Reporting period: Latest edition: Calendar Year 1983 data

Order from:

Information & Statistics Division (FAA)

Date 1984 information

is available:

March 1985

Date next publication

is scheduled:

June 1985 (1984 data)

Census of U.S. Civil Aircraft is an annual publication that includes statistical data on the registered civil fleet, air carrier aircraft, and general aviation aircraft—both registered and active, detailed reports for general aviation aircraft by owner's state and county, and registered aircraft by make and model.

Reporting period:

Calendar Year

Latest edition:

1982 data

Order from:

National Technical Information Service

Date 1983 Information

will be available:

May 1984

Date next publication

is scheduled:

September 1984 (1983 data)

FAA Air Traffic Activity furnishes terminal and en route air traffic activity. Information (i.e., operations, flight plans filed) of the National Airspace System. The data is from the FAA-operated Airport Traffic Control Towers, Air Route Traffic Control Centers, Flight Service Stations, and Approach Control Facilities.

Reporting period: Fiscal Year Latest edition: 1983 data

Order from: National Technical Information Service

Date 1984 information

will be available: January 1985

Date next publication

is scheduled: April 1985 (1984 data)

General Aviation Pilot and Aircraft Activity Survey includes data on the type and source of aircraft flight plan and weather information services, trip length in time and distance, pilot age and certification, estimates of total 1981 general aviation operations, fuel consumption and aircraft miles flown. The survey was made by the Federal Aviation Administration with the assistance of the Civil Air Patrol.

Reporting period: Survey conducted in 3-year intervals

Latest edition: 1981 data

Order from: National Technical Information Service

Date 1984 information

is available: January 1986

Date next publication

is scheduled: April 1986 (1984 data)

General Aviation Activity an Avionics Survey presents the results of the General Aviation Activity and Avionics Survey conducted to obtain information on the activity and avionics of the U.S. registered general aviation aircraft fleet. The survey reveals estimated flying time of the active general aviation aircraft, and other statistics by manufacturer/model group, aircraft type, state and region of based aircraft, and primary use. Estimates are included on fuel consumption, lifetime airframe hours, avionics, and engine hours.

Reporting period: Calendar Year Latest edition: 1982 data

Order from: National Technical Information Service

Date 1983 Information

will be available: August 1984

Date next publication

is available: October 1984 (1983 data)

FAA Directory published twice a year, it contains six section of data: Washington/Region/Center headquarters; field facilities; regional area maps and organizational charts; alphabetical listing; special interest groups; and, a glossary.

Latest edition:

November 1983

Order from:

U. S. Government Printing Office

Date next publication

is scheduled:

May 1984

Airport Activity Statistics of Certificated Route Air Carriers joint publication of the Federal Aviation Administration and the Civil Aeronautics Board furnishes airport activity of the certificated route air carriers. Included in the data are passenger enplanements, tons of enplaned freight, express and mail. Both scheduled/nonscheduled service and domestic/international operations shown by airport and carrier are included. This report includes departures by airport, carrier and type of operation, and type of aircraft.

Reporting period: Latest edition: Calendar Year 1982 data

Order from:

U. S. Government Printing Office

Date 1983 Information

will be available:

July 1984

Date next publication

is available:

September 1984 (1983 data)



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PREFACE

THE U.S. CIVIL AIRMEN STATISTICS IS AN ANNUAL STUDY PUBLISHED TO MEET THE DEMANDS OF FAA, OTHER GOVERNMENT AGENCIES, AND INDUSTRY FOR MORE DETAILED AIRMEN STATISTICS THAN THOSE PUBLISHED IN OTHER FAA REPORTS.

STATISTICS PERTAINING TO AIRMEN, BOTH PILOT AND NONPILOT, WERE OBTAINED FROM THE OFFICIAL AIRMAN CERTIFICATION RECORDS MAINTAINED AT THE FAA AERONAUTICAL CENTER, OKLAHOMA CITY, OKLAHOMA.

AN ACTIVE AIRMEN IS ONE WHO HOLD BOTH AN AIRMEN CERTIFICATE AND A VALID MEDICAL CERTIFICATE. AIRMEN WHO MUST HAVE A VALID MEDICAL TO EXERCISE THE PRIVILEGES OF THEIR CERTIFICATE ARE ALL AIRPLANE PILOTS, CONTROL TOWER OPERATORS, FLIGHT NAVIGATORS, FLIGHT ENGINEERS, AND FLIG..: INSTRUCTORS. THE GLIDER AND LIGHTER-THAN-AIR PILOTS ARE NOT REQUIRED TO HAVE A MEDICAL EXAMINATION BUT THE NUMBERS REPRESENT ONLY THOSE WHO HAD A VALID MEDICAL CERTIFICATE. MECHANICS, PARACHUTE RIGGERS, GROUND INSTRUCTORS, AND DISPATCHERS CERTIFICATES REPRESENT ALL CERTIFICATES ON RECORD AT THE AERONAUTICAL CENTER.

This study was prepared in the Office of Management Systems, Information and Statistics Division, Information Analysis Branch (AMS-420), by Patricia W. Carter.

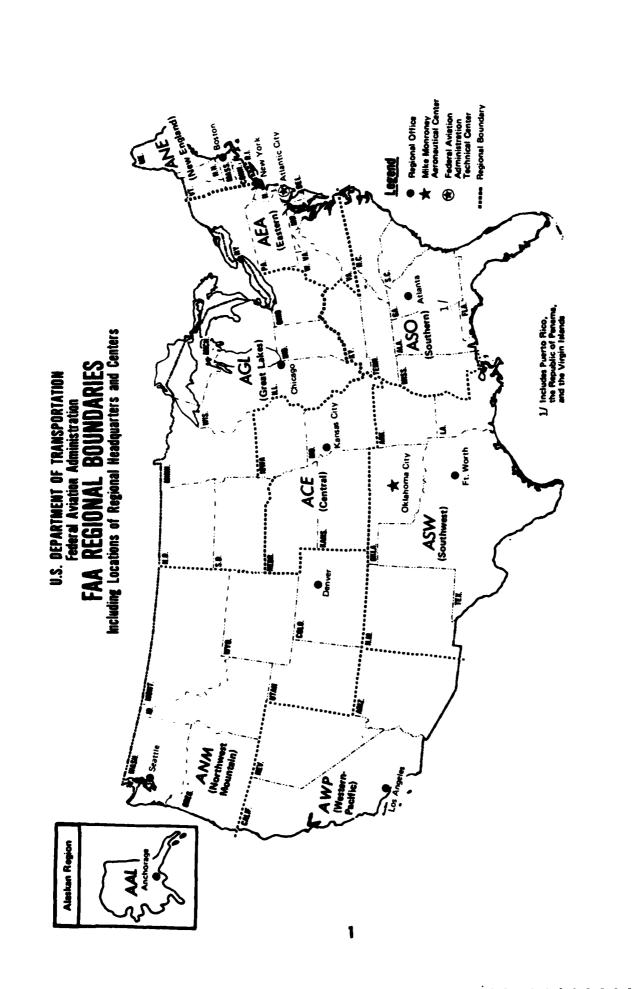
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I. ACTIVE PILOT CERTIFICATES HELD

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DECEMBER 31, 1974-1963 ESTDIATED ACTIVE PILOT CERTIFICATES HELD:

Category	1974	1975	1976	1977	1978	1979	1980	1981	1962	1983
Pilot-Total	733,728	728,187	744,246	<u>r</u> /783,932	796,833	614,667	827,071	764,182	733,255	718,004
Student Private Commercial Airline transport Haldcopter (only) Glider (only) 1/4 Lighter-than-air 1/4	180, 795 305, 848 192, 425 41, 002 5, 647 4, 824 3, 187	176, 978 305, 863 189, 342 42, 592 4, 932 5, 348 3, 132	188,801 309,005 187,801 45,072 4,804 5,789 2,974	2/203, 510 327, 424 188, 763 50, 149 4, 819 6, 208 3, 059	204, 874 337, 644 185, 833 55, 881 4, 874 6, 541 3, 186	210,180 343,276 182,097 63,652 5,218 6,796 3,448	199, 833 357, 479 183, 442 69, 569 6, 030 7, 039 3, 679	179, 912 328, 562 168, 580 70, 311 6, 453 7, 976	156, 361 322, 094 165, 093 73, 471 7, 034 7, 842 1, 360	147,197 316,643 159,495 75,938 7,237 6,157 1,337
Mompilot Total	314,394	323,934	189*966	348, 584	362,350	377,213	393,486	398,368	420,595	432,890
Machanic 1/	198,863 7,900 49,249 5,576 23,342 2,509 26,955 42,418	205,436 8,327 51,365 5,741 23,956 2,321 26,788 44,777	212, 303 8, 718 8, 718 5, 838 24, 584 2, 214 27, 560 46, 236	220,768 8,994 5,717 5,972 25,107 2,155 29,871 49,362	228, 743 9, 200 57, 738 6, 161 25, 388 2, 092 33, 028 52, 201 236, 312	237,611 9,381 59,680 6,446 25,232 1,994 36,869 54,398	250,157 9,547 61,550 6,799 25,130 1,936 38,367 60,440	262, 705 9, 716 63, 246 7, 994 15, 528 3/ 1, 785 36, 294 57, 523	277, 436 9, 893 65, 004 7, 580 20, 934 1, 695 38, 053 62, 492 235, 073	288, 335 10, 074 66, 385 8, 223 19, 691 1, 636 36, 546 62, 201 254, 271

Retimeted: 1980 is based on a 27-wonth criteria only. Other years are based on a 25-month criteria. **Glider and lighter-than-air pilots are not required to have a medical examination; however, the totals above represent pilots who received a medical examination.

Number represent all certificates on record. No medical axamination required.
 Special ratings shown on pilot certificates, i.e., do not indicate additional certificates.
 Does not include approximately 15,000 air traffic controllare. Their medical certificates are no longer processed by the Civil Asromedical Institute (CANI). They are being processed by a separate system, and will be included in future counts.

TABLE 2

\$400000 SESSE

ESTINATED ACTIVE WOMEN PILOT CENTIFICATES MELD: DECEMBER 1974-1983

Category of Cartificates Held	1974	1975	9261	161	8261	6261	0861	1861	1982	1983
Pilot-Total	36,943	37,934	61,643	¥62°14	7/8'67	51,733	52,902	47,721	45,305	43,648
Student Private Conserval At a conserval Helicopter (Only) Glider (Only) Lighter-than-Arr 1/*	19, 298 14, 465 2, 596 116 5 271 192	19,600 14,952 2,733 137 11 301 200	22, 254 15, 838 2, 857 160 17 352 165	25, 705 17, 702 3, 090 193 18 391 195	26, 354 19, 267 3, 306 270 17 433 227	26,714 20,275 3,618 361 27 461 277	26,006 21,554 3,993 480 55 496 318	22, 591 19, 602 4, 101 584 87 540 216	19, 958 19, 388 4, 257 749 113 574 266	18,696 18,801 4,281 884 144 599 243
Mompilot — Total	3,471	3,809	4,252	4,716	5,135	2,600	6,111	6,348	7,115	7,670
Machanic 1/ Parachute Miger 1/ Ground Instructor 1/ Dispatcher 1/ Control Tower Operator Fiight Engineer Fiight Marigator	315 495 2,139 42 47 7 0	360 504 2,249 50 50 638 8 0	422 516 2,369 55 874 16 0	505 535 2,525 65 1,044 42 0	600 544 2,682 76 1,151 82 0	695 553 2,852 1,250 1,250 0 0	890 3,015 141 1,332 171 0 2,079	1,051 580 3,213 167 1,147 1,147 189 1	1,298 593 3,391 1,418 1,418 215 1 215 215 215 215	1,493 605 3,554 1,519 2,48 2,685

Estimated: 1980 is based on a 27-wonth criteria only. Other years are based on a 25-wonth criteria.

Note: Instrument ratings not reported.

1/ Number represent all certificates on record. No medical examination required.

^{*} Gilder and lighter-than-sir pilots are not required to have a medical examination; however, the totals above represent pilots who received a medical examination.

TABLE 3

ESTINATED ACTIVE PILOT AND NONPILOT CERTIFICATES HELD, BY CLASS OF CERTIFICATE AND BY PAA REGION:

DECEMBER 31, 1983

Class of Cartificate	Total	Nev England	Lestern	Great	Cent ral	Sout he ra	Southwest	Western Pacific	Northwest Mountain	Alaskan	Outside U.S.
TotalAll Groups	718,004	256,15	786,18	121,090	40,518	110,368	95,633	127,126	70,387	11,100	18,458
Student Pilote-Total	147,197	7,680	21,208	24,566	7,138	22,747	19,981	24,492	14,097	2,149	3,139
Private Pilots-Total	318,643	13,351	38,823	61,586	21,563	44,482	40,278	57, 507	32,364	5,061	3,628
Private Airplane (Only)	309, 216	12,984	37,328	60,303	21,160	42,907	39,155	55,639	31,360	4,947	3,433
Glider	4,269	196	821	661	166	579	438	954	391	32	ដ
Glider Private Airplant Private	716	47	137	108	81	78	52	160	109	7	۲۰
Gyroplane	15	2	•	60	7	e	77	∞	7	0	•
Helicopter	1,112	43	131	149	52	199	171	193	141	16	17
Glider, Private Helicopter	47	4	1	80	0	11	S	6	e	0	0
Helicopter	3,218	7.5	390	343	164	697	454	537	355	63	140
Glider, Comercial Helicopter	19	•	6	-	•	•	0	'n	e	-	7
Glider, Commercial Belicopter	14	0	2	4	-	•	-	7	0	0	•
Gyroplane, Commercial Helicopter	H	6	•		•	0	0	0	0	•	0
Commercial Pilots-Total	159,495	6,216	19,786	23,695	8,362	27,090	22,772	28,108	15,091	2,700	5,675
Commercial Airplane (Only) .	135,906	5,389	16,665	21,104	7,371	22,186	19,378	23,540	12,671	2,284	5,318
Glider	2,158	98	336	291	88	350	230	504	229	56	21
Clider.	4,206	202	069	588	151	653	867	878	470	37	39
Ogroplane, Commercial Gilder .	m	•		0	0	-	0	-	•	•	•

TABLE 3 (Continued)

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ESTIMATED ACTIVE PILOT AND NONPILOT CERTIFICATES HELD, BY CLASS OF CERTIFICATE AND BY PAA RECION: DECEMBER 31, 1983

Class of Certificate	Tote1	Nev England	Lastern	Great Lakes	Central	Southern	Southwest	Western Pacific	Northwest Mountain	Alesken	Outside U.S.
Commercial Airplane, Private Helicopter.	241	•	21	45	=======================================	45	38	39	22	•	٠
Glider, Private Helicopter	ខា	0	8	2	-		*	m	•	0	0
:	16,142	964	1,944	1,556	712	3,722	2,527	2,963	1,606	336	280
Glider, Commercial Helicopter .	150	•	25	27	•	26	14	29	17	-	7
Glider, Commercial Helicopter .	625	28	95	73	26	102	25	141	89	•	6
Helicopter, Comercial Gyroplane	20	0	E	4	-	-	4	50	7	۰	•
Gyroplate	23	-	2	4	-	2	∢	m	•	-	0
Gyroplane, Comercial Relicopter,	•••	•	8	#	0	-	0	7	٦	4	•
Airline Transport Pilots-Total .	75,938	3,848	9,804	9,168	2,863	13,451	10,663	13,433	7,060	1,028	5,620
(0aly)	74,752	3,758	8,615	090*6	2,833	13,243	10,447	13,238	996'9	1,000	5,592
Airline Transport Airplane, Airline Transport Helicopter	1,186	8	189	108	8	208	216	195	*	28	28
Rotorcraft (Only) Pilots-Total	7,237	ន្ឌ	3	637	25	1,839	1,182	1,037	83	134	273
Private Gyroplane	6,286	231	0 76 833	2 76 538	287	1 79 1,729	82 994	141 864	61 504	°711	0 29 195
Private Glider	m	•	-	•	•	-	•	7	0	0	•
Glider	2	-	-	0	•	-	~	•	m	0	0

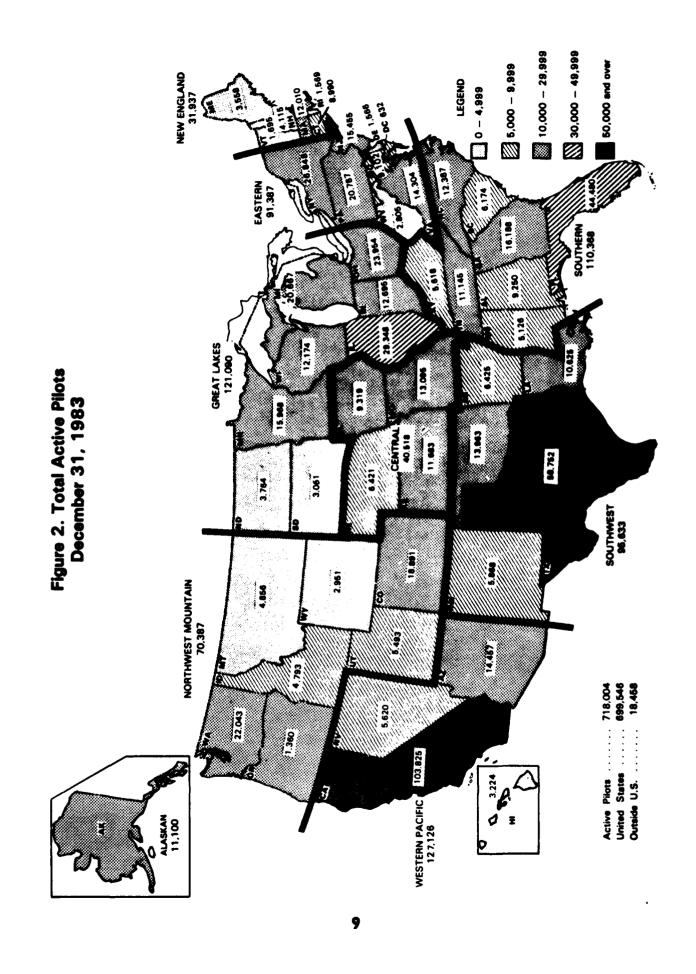
TABLE 3 (Continued)

ESTINATED ACTIVE PILOT AND HOMPILOT CENTIFICATES HELD, BY CLASS OF CENTIFICATE AND BY PAA RECION: DECEMBER 31, 1983

Class of Certificate	Total	Nev England	Lastern	Great	Central	Southern	Southwest	Western Pacific	Northwest Mountain	Alaskan	Outeide U.S.
Commercial helicopter, commercial gyroplane Afrilue transport helicopter	316	13	36	19	70	28	104	30	0	19	0 81
Glider (only) Total	8,157	20	1,671	1,097	21	637	573	2,358	1,044	킈	102
Private glider	6,794	106	1,396	920	113	93	447	2,068	809 235	#	88
Lighter-than-air	1,337	\$1	148	34	125	221	184	191	148	킈	21
Totalall nompilot	432,890	20,383	70,580	55,437	22,554	70,012	54,316	83,858	34,167	4, 566	17,017
Mechanic 1/	288,335 10,074 66,335	13,654 407 3,050	1,688	36,084 1,327 10,540	16,344 453 3,873	43, 957 1,836 10,491	35,829 1,109 9,117	57,620 1,642 11,677	20,935 1,316 5,644	2,928	11,325
Control tower operator 711ght mayigator	19,691 1,636 38,546	728 177 2,166	3,978	2,434	802 15 908	4,517 271 7,565	2,843 89 4,821	3,077 3,077 8,276	1,585 1,585 4,060	292	1,962 147 91 2,361
Flight instructor certificates	62,201	2,711	8,614	10,608	3,412	9,632	8,630	10,476	6,283	922	913
Instrument ratings 2/	254,271	10,970	32,547	38,208	12,324	44,356	34, 798	44,617	22,891	3,431	10,129

Zetimeted: Data is based on a 25-month criteria.

1/ Total ratings issued to date. These ratings ratein their validity without periodic medical examinations. 2/ Special ratings shown on pilot certificates, i.e., do not indicate additional ratings.



 $$\operatorname{table}\ 4$$ Estimated active pilots and flight instructors by faa region and state: ${\operatorname{december}\ 31,\ 1983}$

COCCUMENTAL SECTION OF SECTION OF

C			·	,			
FAA Region and State	Total Pilots	Student	Private	Commercial	Airline Transport	Miscellan- eous <u>2</u> /	Flight Instructor 3/
Total	718,004 <u>1</u> /	147,197	318,643	159,495	75,938	16,731	62,201
United StatesTotal	699,546	144,058	315,015	153,820	70,318	16,335	61,288
New EnglandTotal	31,937	7,680	13,351	6,216	3,848	842	2,711
Maine	3,558	822	1,663		240	43	256
New Hampshire	4,115	851	1,450		811	105	368
Rhode Island	1,569	368	727	315	121	38	128
Massachusetts	12,010	3,217	5,407		894	377	998
Connecticut	8,990	1,978	3,372	1,784	1,637	219	805
Vermont	1,695	444	732	314	145	60	156
Eastern-Total	91,387	21,208	38,823	19,786	8,804	2,766	8,614
New York	26,640	6,687	11,422	5,464	2,010	1,057	2,402
Pennsylvania	20,787	4,942	9,308	3,972	1,979	586	2,065
Virginia	14,304	2,825	5,388	4,083	1,646	362	1.355
Maryland	9,198	2,135	4,105	1,994	731	233	809
West Virginia	2,805	703	1,281	574	203	44	258
Delaware	1,566	282	687	360	202	35	188
New Jersey	15,455	3,460	6,371	3,205	2,002	417	1,495
District of Columbia .	632	174	261	134	31	32	42
Great LakesTotal	121,090	24,566	61,586	23,695	9,168	2,075	10,608
Illinois	29,348	6,159	14,102	5,690	2,874	523	2,698
Indiana	12,695	2,695	6,494	2,516	786	204	1,160
Minnesota	15,968	2,786	8,146	3,309	1,564	163	1,317
Michigan	20,136	4,183	10,567	3,638	1,257	491	1,675
North Dakota	3,764	843	1,872	911	96	42	272
Oh10	23,954	4,960	12,063	4,729	1,694	508	2,285
South Dakota	3,051	596	1,629	696	1111	19	222
Wisconsin	12,174	2,344	6,713	2,206	786	125	979
Central-Total	40,518	7,138	21,563	8,362	2,863	<u>592</u>	3,412
Kansas	11,683	1,921	6,232	2,488	883	159	980
Iowa	9,319	1,648	5,449	1,702	377	143	720
Missouri	13,095	2,466	6,281	2,783	1,322	243	1,245
Nebraska	6,421	1,103	3,601	1,389	281	47	467
•	, i	i	1	1	ŀ		1

TABLE 4 (Continued) ESTIMATED ACTIVE PILOTS AND PLIGHT INSTRUCTORS BY FAA REGION AND STATE: DECEMBER 31, 1983

PAA Region and State	Total Pilots	Student	Private	Commercial	Airline Transport	Miscellan- eous <u>2</u> /	Plight Instructor 3/
Southern—Total	110,368	22,747	44,482	27,090	13,451	2,598	9,632
North Carolina	12,387	2,718	5,539	2,756	1.112	262	1.025
South Carolina	6,174	1,417	2,565	1,583	482	127	512
Georgia	16,188	3,175	5,759	3,896	3,023	335	1.311
Plorida	44,480	8,694	17,567	11,329	6,200	690	3,894
Mississippi	5,126	1,115	2,094	1,505	313	99	423
Alabama	9,250	1.804	3,675	2,675	553	543	1,005
Tennessee	11,145	2,467	4,724	2,266	1,368	320	993
Kentucky	5,618	1,357	2,559	1,080	400	222	469
Southwest Total	95,633	19,931	40,278	22,772	10,663	1,939	8,630
Louisinana	10,625	2,290	4,137	2,971	836	341	975
Oklahoma	13,963	2,998	6,835	3,013	949	168	1,184
Texas	58,752	12,078	23,763	13,724	8,021	1,166	5,454
New Mexico	5,868	1,251	2,693	1,334	398	192	495
Arkansas	6,425	1,364	2,850	1,730	409	72	522
estern-PacificTotal,	127,126	24,492	57,507	23,108	13,433	3,586	10,476
Havaii	3,224	693	894	892	575	170	260
California	103,825	19,962	47,795	22,657	10,625	2,786	8,338
Arizona	14,457	2,788	6,540	3,321	1.317	491	1,295
Nevada	5,620	1,049	2,278	1,238	916	139	533
orthwest-HountainTotal	70,387	14,097	32, 364	15,091	7,060	1,775	6,283
Washington	22,043	4,134	9,647	5,116	2,713	433	2,001
Oregon	11,360	2,006	6,213	2,383	556	202	937
Idaho	4,793	838	2,480	1,119	289	67	454
Colorado	18,891	4,383	7,328	3,767	2,563	350	1,788
Wyoming	2,951	660	1,535	545	166	45	246
Utah	5,493	1,146	2,607	1,093	520	127	443
Montana	4,856	930	2,554	1,068	253	51	414
laskan Region-Total .	11,100	2,149	5,061	2,700	1,028	162	922
utside U.S.—Total	18,458	3,139	3,628	5,675	5,620	396	<u>913</u>
.S. Territories-Total 4	1,975	609	692	335	321	18	<u>o</u>
Puerto Rico	1,513	499	517	245	235	17	0
Virgin Island	358	92	150	67	48	1	0
American Simoa	12	0	1	5	6	0	1 0
Canal Zone] 3	1	1	1	0	0	0
Guam	83	16	21	16	30	0	0
Wake Island	6	1 1	2	1	2	1 0	0

Estimated: Data is based on a 25-month criteria.

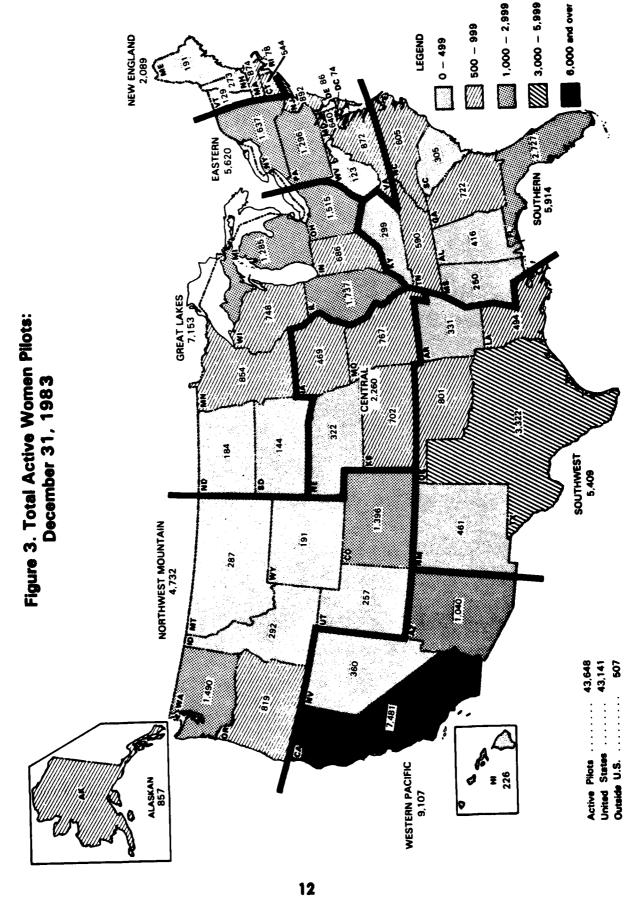
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^{1/} Includes Outside U.S.

7/ Includes helicopter, glider, and lighter-than-air.

3/ Not included in total.

4/ U.S. Territories are included in Outside U.S. total.



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TABLE 5
ESTIMATED ACTIVE WOMEN PILOTS AND FLIGHT INSTRUCTORS BY FAA REGION AND STATE:
DECEMBER 31, 1983

PAA Region and State	Total Pilots	Student	Private	Commercial	Airline Transport	Miscellan- eous <u>2</u> /	Flight Instructor 3/
Total 1/	43,648	18,696	18,801	4,281	884	986	2,685
United States-Total	43,141	18,484	18,609	4,209	866	973	2,664
New England-Total	2,089	988	794	210	44	<u>53</u>	142
Maine	191 273 78 874 544 129	101 132 35 420 246 54	64 95 33 346 203 53	21 35 8 70 63	3 6 1 12 20	2 5 1 26 12 7	14 20 5 49 46 8
Eastern-Total	5,620	2,536	2,239	571	2 101	, 173	366
New York	1,637 1,296 872 640 123 86 892	741 602 409 277 69 35 371 32	647 503 343 264 45 38 368 31	159 140 86 69 8 9	18 21 19 16 0 1 20 6	72 30 15 14 1 3 37	99 97 54 42 3 8 57 6
Great Lakes-Total	7,153	2,921	3,233	734	129	136	<u>470</u>
Illinois Indisns Minnesots Michigan North Dekots Ohio South Dekots Wisconsin	1,737 686 854 1,285 184 1,515 144 748	709 291 312 555 72 645 68 269	790 295 400 533 84 656 68 407	189 77 107 121 25 150 7 58	29 11 26 22 2 31 1	20 12 9 54 1 33 0	113 44 73 71 18 110 3
Central—Total	2,260	864	1,121	192	38	45	<u>130</u>
Kensas	702 469 767 322	250 164 331 119	376 248 329 168	58 41 70 23	9 4 17 8	9 12 20 4	32 24 53 21

TABLE 5 (Continued) ESTIMATED ACTIVE WOMEN PILOTS AND FLIGHT INSTRUCTORS BY FAA REGION AND STATE:

DECEMBER 31, 1983

				·		W	
	Total	ا مادها	5 4		Airline	Miscellan-	Flight
FAA Region and State	Pilots	Student	Private	Commercial	Transport	eous <u>2</u> /	Instructor 3
Southern-Total	5,914	2,739	2,324	<u>593</u>	<u>164</u>	<u>94</u>	346
North Carolina	605	283	236	65	12	9	39
South Carolina	305	153	105	32	7	8	16
Georgia	722	354	261	76	19	12	37
Florids	2,727	1,208	1,100	300	83	36	168
Mississippi	250	128	94	20	6	2	14
Alabams	416	191	173	31	5	16	20
Tennessee	590	269	243	44	26	8	34
Kentucky	299	153	112	25	6	3	18
Southwest-Total	5,409	2,543	2,201	472	<u>97</u>	<u>96</u>	291
Louisinens	494	236	185	51	14	8	39
Oklahoma	801	354	366	63	13	_5	45
Texas	3,322	1,559	1,377	273	62	51	163
New Mexico	461	224	158	44	7	28	25
Arkenses	331	170	115	41	1	4	19
Western-PacificTotal.	9,107	3,514	4,216	947	187	<u>243</u>	<u>594</u>
Hewell	226	95	17	29	10	15	18
California	7,481	2,834	3,542	784	147	174	496
Arizone	1,040	424	445	102	21	48	61
Nevada	360	161	152	32	9	•	19
Northwest-MountainTotal	4,732	2,002	2,092	424	87	127	<u>289</u>
Washington	1,490	565	699	174	27	25	103
Oregon	819	322	413	59	10	15	35
Idaho	292	116	135	31	3	7	18
Colorado	1,396	685	499	110	31	71	94
Wyoming	191	74	95	17	3	2] 13
Utah	257	106	124	13	9	5 2	12 14
Hontana	287	134	127	20	4] '] 14
lasken Region-Total .	<u>857</u>	377	389	66	19	6	36
Dutside U.S.—Total	507	212	192	72	18	13	21
U.S. Territories-Total 4/	74	40	24	6	3	1	<u>0</u>
Puerto Rico	43	29	7] 3] 3	1	0
Virgin Island	25	8	14	3	j 0	0	0
American Simos	0	0	0	0	0	0	0
Canal Zone	1	0	1	0	0	0	
Guen	5	3 0	2 0	0	0	1 8	8
Wake Island	0	1 0	1 '	, ,	١ ،	I "	

Estimated: Data is based on a 25-month criteria.

^{1/} Includes outside U.S.

2/ Includes helicopter, glider, and lighter-than-air.

3/ Not included in total.

5/ U.S. Territories are included in Outside of U.S. total.

TABLE 6
ESTIMATED ACTIVE HELICOPTER PILOTS BY CLASS OF CERTIFICATES:

DECEMBER 31, 1983

Class of Certificates	Number of Certificates Held
Total	30,090
Private helicopter	615
Private gyroplane, private airplane	31
Private helicopter, private airplane	1,112
Private helicopter, private airplane, private glider	47
Private airplane, commercial gyroplane, commercial helicopter	1
Private airplane, private glider, commercial helicopter	19
Private gyroplane	8
Private airplane, commercial glider, commercial helicopter	14
Commercial helicopter	6,286
Commercial helicopter, private airplane	3,218
Commercial airplane, commercial helicopter	16,142
Commercial airplane, private helicopter	241
Commercial airplane, private glider, commercial helicopter	150
Commercial airplane, commercial glider, commercial helicopter	625
Commercial helicopter, private glider	} 3
Commercial helicopter, commercial glider	7
Commercial gyroplane, commercial airplane	23
commercial airplane, commercial gyroplane, commercial glider	3
Commercial airplane, commercial gyroplane, commercial helicopter	20
Commercial airplane, commercial gyroplane, commercial helicopter,	
commercial glider	8
Commercial helicopter, commercial gyroplane	2
Commercial sirplane, commercial glider, private helicopter	13
Airline transport helicopter	316
Airline transport airplane, airline transport helicopter	1,186

Estimated: Data is based on a 25-month criteria.

TABLE 7
ESTIMATED ACTIVE GLIDER PILOTS BY CLASS OF CERTIFICATES:

DECEMBER 31, 1983

Class of Certificates	Number of Certificates Held
Total	20,395
Private glider	6,794 4,269
Private airplane, commercial glider	716
Private airplane, private glider, private helicopter	47
Private airplane, private glider, commercial helicopter	19
Private airplane, commercial glider, commercial helicopter	14
Private glider, commerical airplane	2,158
Private glider, commercial airplane, commerical helicopter	150
Private glider, commerical helicopter	3
Commercial glider	1,363
Commercial airplane, commercial glider	4,206
Commercial airplane, commercial glider, private helicopter	13
Commercial airplane, commercial glider, commercial helicopter	625
Commercial helicopter, commercial glider	7
Commercial airplane, commercial gyroplane, commercial glider,	Į.
commercial helicopter	8
Commercial airplane, commercial gyroplane, commercial glider	3

Estimated: Data is based on a 25-month criteria.

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TABLE 8 ESTEMATED ACTIVE HELICOPTER AND GLIDER PILOTS:

DECEMBER 31, 1979-83

	Total Helicopter Pilots 1/	Total Glider Pilots 2/
Calendar Year	Number Percent Change	Number Percent Change
1983	30,090 +1	20,395 +3
1932	29,926 + 2	19,806 + 2
1981	29,236 - 3	19,331 - 2
1980	30,085 + 4	19,626 + 3
1979	28,857 - 1	18,973 + 2

Estimated: Data is based on a 27-month criteria for 1980. Other years are based on a 25-month criteria.

^{1/} Includes pilots with ratings to fly helicopters only. $\overline{2}/$ Includes pilots with ratings to fly gliders only.

TABLE 9
ESTIMATED TOTAL PILOTS AND INSTRUMENT RATED PILOTS:
DECEMBER 31, 1979-83

SANDONING SIND SELECTED CARRESTO CONT. CHILD PARA PARA PARA PARA CONT.

Cale	endar	Total		ent Rated
Ye	ear	Pilots 1/	Number	Percent of Total
1983		570,807	254,271	45
1982		576,894	255,073	44
1981		584,270	252,535	43
1980		627,238	260,461	42
1979		604,487	247,096	41

Estimated: 1980 is based on a 27-month criteria only. Other years are based on a 25-month criteria.

1/ Excludes student pilots.

TABLE 10
ESTIMATED AIRLINE TRANSPORT CERTIFICATES HELD,
BY SELECTED AGE GROUPS: 1974-1983

			Age Group	
Year	Total	20-34 Years	35-44 Years	45 Years and Over
			Number	
1974	41,002	8,832	13,511	18,659
1975	42.592	9.242	14,028	19,322
1976	45,072	10,246	14,649	20,177
1977	50,149	11,847	16,663	21,639
1978	55,881	14,656	18,368	22,857
1979	63,652	18,331	20,680	24,641
1980	69,569	20,317	22,735	26,517
1981	70,311	19,685	23,695	26,931
1982	73,471	18,912	25,729	28,830
1903	75,938	18,237	27,122	30,579
		Percent	t Distribution	
1974	100.0	21.5	33.0	45.5
1975	100.0	21.7	32.9	45.4
1976	100.0	22.7	32.5	44.8
1977	100.0	23.6	33.2	43.1
1978	100.0	26.2	32.9	40.9
		28.8	32.5	38.7
	100.0		32.5	30.7
1980	100.0	29.2	32.7	38.1
1980	100.0 100.0	29.2 28.0	32.7 33.7	
1979	100.0	29.2	32.7	38.1

Estimated: 1980 is based on a 27-month criteria only. Other years are based on a 25-month criteria.

TABLE 11

THE COLORS TO SERVE WHEN SERVED BOOKS SERVED SERVED SERVED BOOKS BOOKS SERVED S

ESTIMATED ACTIVE PILOT CERTIFICATES HELD, BY CATEGORY AND AGE GROUP OF HOLDER: 1983, 1982, 1978

	t	1978	55,881	437	10,005	9,208	5,482	2,965					
	Airline Transport	1982	73,471	0 0 678	12,208	11,793	7,714	5,315					
	Airline	1983	75,938	622		12,494		5,704					
		1978	185,833	374 10,402	35,006	26,062	14,178	9,240	r 1/	ı	1978	52,201	0 137 7,972 10,388 8,401 6,617 4,934 3,261 2,368
	Commercial	1982	165,093	319	20,740	23,940	14,478	15,015	Flight Instructor	:	1982	62,492	117 6,205 9,805 10,664 10,620 7,780 6,085 4,574 3,224 4,018
	ပိ	1983	159,495	0 267 10,806	18,585	23,913	15,065	16,491	Flight	•	1983	62,201	0 108 5,533 9,511 9,612 10,642 8,081 6,221 4,831
		1978	337,644	7,445	49,989	38,271	35,985	16,354		72	1978	3,186	20 75 75 75 190 256 342 409 519 462 462
ficates	Private	1982	322,094	5,863 30,369	47,309	38,512	32,372	21,555	ficates	Lighter-than-air	1982	1,360	25 108 108 239 383 270 144 86 54 25
Type of Pilot Certificates		1983	318,643	4,959 28,039	46,459	39,859	30,941	23,523	Pilot Certificates	Lighter	1983	1,337	0 18 91 200 344 329 152 152 7 7 7 21
rype of P		1978	204,874	361 24,203 45,153	32,722	14,411	7,232	2,158	Type of Pi	/7 (1978	6,541	243 835 1,090 1,011 706 554 587 587 481
•	Student	1982	156,361	322 16,458 33,072	25,080	12,020	5,915	2,527	F	Glider (Only)	1982	7,842	0 185 592 1,093 1,322 1,143 7,48 589 654 592
	S	1983	147,197	280 14,188 29,759	24,195	11,857	5,718	2,732		611	1983	8,157	0 152 551 1,043 1,373 1,260 833 647 632 632 1,034
	ots	1978	798,833	32,295 93,546	131,012	89,250 78,930	63,994	31,663		y)	1978	4,874	0 10 239 1,254 2,023 733 335 167 171
	Total Active Pilots	1982	733,255	322 22,860 77,535		87,748	61,315	45,378		Helicopter (Only)	1982	7,034	0 10 805 1,740 1,831 1,590 291 268 128 128 128 128
	Total A	1983	718,004	280 19,595 70,679				49,534		Helico	1983	7,237	0 11 811 1,631 1,633 1,732 648 296 296 125 63
	Age Group	-	Total	14-15 16-19	• • •	• •	50-54	60 and over				Total	14-15

Estimated: Data is based on a 25-month criteria.

1/ Not included in total active pilots. $\frac{2}{2}$ Glider and lighter-than-air pilots are not required to have a medical examination; however, totals above represent pilots who received a medical examination.

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oponomial (Subsequent) population (processed mybabbeled

TABLE 12

ESTINATED INSTRUMENT RATINGS HELD, BY CLASS OF CERTIFICATES: DECEMBER 31, 1983 AND 1982

Percent Change 1983-1982	이	-3	en su	. ~	8 22	;•	0	;°	0	୩	7	·	7 5	o	? *	* 4	-13	-11	0	Φ	-42	<u>പ</u>	en -	01	คเ	7		
1982	255,073	40,803	37,865 880	8	247	1,688	◄	6 S	-	135,984	115,441	1,806	3,304	1/1	14,000	537	16	18	7	=	12	73,471	72,393	1,078	4,815	4,756	Ç 31	
1983	254,271	41,951	38,836 921	86	267	1,797	4	99		131,445	111,188	1,823	3,360	881	14,139	558	14	91	7	12	7	75,938	74,752	1,186	4,937	4,864	3 E	
Class of Gertificates	Totalall groups	Private pilotstotal	Private airplane (only)	airplane,		Frivate airplane, private grider, private neitcopter	alrplane,	Private airplane, private glider, commercial helicopter	airplane,	Commercial pilots-total	strplane (atrplane,	sirplane,	airplane,	airplane,	Commercial airpiane, private gilder, commercial neilcopter	airplane,	airplane, commercial helicopter,	airplane, commercial gyroplane, comercial g	Commercial airplane, commercial glider, private helicopter	all glider .	Airline transport pilotstotal	Airline transport airline	Airline transport airplane, airline transport helicopter	Rotorcraft pilota-total	Commercial helicopter	Airline transport helicopter	

Estimated: Data is based on a 25-month criteria.

TABLE 13

ESTIMATED INSTRUMENT RATINGS HELD, BY CLASS OF CERTIFICATES, BY PAA REGION: DECEMBER 31, 1983

Outside U.S.	10,129	247	224	0 0	10	_	••	7177	3,917	35	8	224	~	•
Alesken	169'6	757	60.00	- 0	80	•	••	2,056	1,707	53	•	285		6 0
Northwest Mountein	22,891	3,401	3, 108 60 20	3	162	-	00	12,051	10,072	370	, r	1,329	9 1	25
Vestern Pacific	64,617	7,547	7,047	ž °	228 0	•	••	23,035	19,202	069	28	2,521	*	126
Southwest	34,798	4,966	4,523 102 5	4 ~	589	•	~ 0	18,402	15,518	403	30	2,172	_	3
Southern	44,356	9,490	5,785 130	2 °	201	e 	mo	22,935	18,550	\$15	*	3,413	\$	\$
Central	12,324	2,557	2,402	. 0	101	•		6,670	5,800 71	126	=	4 59	~	24
Great	38,208	8,708	8,345 148 10	÷	158	٥	4	19,893	17,676	487	E	1,347	2	69
Lestern	28,26	6,025	5,548 189 14	e •	241	~		17,015	14,290	8	19	1,763		82
Nev England	10,970	1,756	3.4 S	<u> </u>	7 -	•	· · ·	5,176	4,456	162	•	451		22
Total	254,271	41,951	38,836 921 86	18	1,797	9	91	131,445	111,188	3,360	186	14,139	138	558
Class of Certificate	Totalall groups	Private pilota-total	Private airplane (only) Private airplane, private glider Private airplane, commercial glider.	Frivate airplane, private belicopter Frivate airplane, private glider, private helicopter			Private airplene, comercial glider comercial helicopter	Commercial pilota-total	Commercial airplane (only)		helicoter		Commercial sirplene, private glider, commercial helicopter	glider, commercial helicopter

TABLE 13 (Continued)

ESTINATED INSTRUMENT RATINGS HELD, BY CLASS OF CENTIFICATES, BY PAA REGION: DECEMBER 31, 1963

Class of Certificate	Totel	Nev England	Great Eastern Lakes		Centrel	Southern	Southwest	Western Pacific	Northwest Mountein	Alaskon	Outside U.S.
Comercial airplane, comercial	*	•			7						
Compercial airplane, compercial	\$	>	•	•	>	,	2	n	•	0	-
Commercial airplane, commercial	91	•	-	•	-	0	•	•	-4	•	٥
	7	0	0	0	0	-	0		•	0	۰
	22	•	~	7	-	0	•	n	•	0	•
gyroplane, commercial helicopter, commercial glider	7		~		•		0	~	-	•	•
Airline transport pilota-total	75,938	3,848	708	9,168	2,863	13,451	10,663	13,433	7,060	1,028	5,620
Afrile transport airplame	74,752	3,758	8,615	9,060	2,833	13,243	10,447	13,238	996'9	1,000	5,592
tremsport helicopter	1,186	8	691	108	2	208	216	195	*	82	52
Rotercreft pflots-total	4,937	킯	5	딁	최	1,480	767	3	379	의	શ
Commercial helicopter	183	3 n n	1691	¥ no	233	1,473	75.	¥ ° °	37.7	6 70	3 **
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Latimoted: Data is besed on a 25-month criteria.

II. ACTIVE NONPILOT CERTIFICATES HELD

TABLE 14 ESTIMATED ACTIVE NONPILOT AIRMEN CERTIFICATES HELD, BY FAA REGION AND STATE: DECEMBER 31, 1983 1/

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	FAA Region and State	Total Nonpilot Airmen	Mechanic	Parachute Rigger	Ground Instructor	Dispatcher	Control Tower Operator	Flight Navigator	Flight Engineer
	Total 2/	432,890	288,335	10,074	66,385	8,223	19,691	1,636	38,546
l K	United States-Total	415,873	277,010	9,931	65,097	6,561	19,544	1,545	36,185
********	New England-Total	20,383	13,654	407	3,050	<u>201</u>	728	177	2,166
	Maine	1,374 2,030	828 859	42 33	278 352	18 20	118 142	6 25	84 599
	Rhode Island	1,033 9,644	670 7,424	44 192	204 1,257	7 85	48 253	4 17	56 416
6	Connecticut Vermont	5,722 580	3,542 331	83 13	809 150	60 11	134 33	121	973 38
and the second s	Eastern-Total	70,580	49,609	1,688	9,940	1,839	3,263	263	3,978
	New York	30,180 15,787	22,510 11,763	406 371	3,516 2,315	1,236 162	1,494 506	85 46	933 624
	Virginia	6,118 3,767	3,052 2,251	411 140	1,155 783	111 29	612 212	34 12	743 340
	West Virginia Delaware	1,156 1,084	682 726	52 24	277 172	5	102 70	1 6	37
l 8 2	New Jersey	11,910	8,241	256	1,601	266	254	79	73 1,213
l R [®]	Great Lakes-Total	578 55,437	384 36,084	28 1,327	121 10,540	17 <u>632</u>	13 2,434	0 <u>50</u>	15 4,370
i i i	Illinois	15,825	10,033	300	2,756	265	581	16	1,874
₹ \$	Indiana	5,408 8,901	3,544 5,837	201 142	1,062 1,333	26 191	322 238	8 8	245 1,152
.,	Michigan	8,511 921	5,702 573	206 25	1,830 139	57 3	412 115	7	297 16
	Ohio	10,897 946	7,283 582	287 26	2,229 245	67 1	531 56	5 1	495 35
	Wisconsin	4,028	2,530	140	896	22	179	5	256
[6	Centraltotal	22,554	16,344	453	3,873	<u>156</u>	<u>805</u>	<u>15</u>	<u>908</u>
,0,	Kansas	6,653 3,046	4,808 2,079	115 91	1,141 669	37 13	268 123	5	279 71
	Missouri	10,889 1,966	8,188 1,269	173 74	1,609 454	104 2	295 119	5 5	515 43
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TABLE 14 (Continued) ESTIMATED ACTIVE NONPILOT AIRMEN CERTIFICATES HELD, BY FAA REGION AND STATE: DECEMBER 31, 1983 1/

PAA Region and State	Total Nonpilot Airmen	Mechanic	Perschute Rigger	Ground Instructor	Dispetcher	Control Tower Operator	Flight Navigator	Flight Engineer
Southern—total	70,012	43,957	1,836	10,491	1,375	4,517	271	7,565
North Carolina	5,414	3,086	385	1,005	68	550	12	308
South Carolina	2,315	1,208	95	509	10	336	6	151
Georgia	13,760	8,493	295	1,495	218	561	15	2,683
Florida	33,411	21,817	527	4,747	856	1,618	217	3,629
Mississippi	1,847	1,048	50	426	6	226	5	86
Alabama	6,378	4,371	143	985	105	659	6	109
Tennessee	4,843	2,741	175	907	102	402	8	508
Kentucky	2,044	1,193	166	417	10	165	2	91
Southwest-total	54,316	35,829	1,109	9,117	<u>508</u>	2,843	<u>89</u>	4,821
Louisinana	4,906	3,279	106	816	28	343	4	330
Oklahoma	11,997	9,329	197	1,728	35	455	9	244
Texas	33,011	20,582	654	5,546	425	1,649	69	4,086
New Mexico	2,158	1,240	84	512	12	228	4	78
Arkenses	2,244	1,399	68	515	8	168	3	83
Western-Pacific-total	83,858	<u>57,620</u>	1,642	11,677	1,282	3,077	<u>519</u>	8,041
Hawaii	3,099	2,176	56	315	133	242	15	162
California	70,676	49,071	1,337	9,566	1.056	2,196	423	7.027
Arizons	7.589	5,175	196	1,297	72	394	18	437
Nevada	2,494	1,198	53	499	21	245	63	415
Morthwest-Mountain-total .	34,167	20,985	1,316	5,644	421	1,585	156	4,060
Washington	13,383	8,397	358	1,845	195	645	77	1,866
Oregon	3,944	2,636	238	702	28	156	31	153
Idaho	1,829	1,146	155	328	9	124	3	64
Colorado	9,696	5,632	169	1,734	165	379	30	1,587
Wyoming	1,003	659	33	204	9	41	5	52
Utah	2,344	1,405	85	400	12	158	5	279
Montana	1,968	1,110	278	431	3	82	5	59
Alaskan Region-total	4,566	2,928	<u>153</u>	<u>765</u>	147	292	<u>5</u>	276
Outside U.Stotal	17,017	11,325	<u>143</u>	1,288	1,662	147	<u>91</u>	2,361
U.S. Territories-Total 2/	1,424	1,068	<u>36</u>	158	<u>52</u>	<u>40</u>	<u>o</u>	<u>70</u>
Puerto Rico	1,122	885	13	117	40	24	0	43
Virgin Island	127	80] 3	22	4	11	0	7
American Simoa	7] 3	0	2	0	2	0	0
Canal Zone	39	16	18	3	2	0	0	0
Guam	119	74	2	14	6	3	Ö	20
Wake Island	10	10	0	0	9	0	0	0

Estimated: Data is based on a 25-month criteria.

Data for control tower operators, flight engineers, and flight navigators represent total active ratings held. For dispatchers, mechanics, parachute riggers, and ground instructors, represent total ratings issued to date. These ratings retain their validity.
 Includes Outside U.S.
 U.S. territories are included in Outside U.S. total.

TABLE 15 ESTIMATED ACTIVE WOMEN MONPILOT CERTIFICATES HELD, BY PAA REGION AND STATE: DECEMBER 31, 1983 $\underline{1}/$

			-	-			
PAA Region and State	Total	Mechanic	Perschute Rigger	Ground Instructor	Di spet cher	Control Tower Operator	Flight Enginer
Total Z/	7,670	1,493	605	3,354	249	1,519	248
United States-Total	7,602	1,485	600	3,520	235	1,514	247
New England-Total	339	<u>57</u>	<u>28</u>	172	4	<u>62</u>	<u>16</u>
Maine	45 38 24 130 82 12	6 5 1 22 22 1	4 1 12 7 3	20 16 9 77 40 10	0 0 0	15 11 2 28 6 0	0 5 0 4 7
Eastern-Total	1,083	140	<u>81</u>	492	42	286	22
New York	432 219 154 87 23 25 126 17	59 30 12 7 8 4 20 0	16 18 33 5 0 1 7	167 117 -58 -48 -10 -10 -72 -10	43 7 2 2 1 1 5	142 42 45 22 4 9 19	5 5 4 3 0 0 3 2
Great Lakes-Total	1,134	264	<u>63</u>	<u>590</u>	<u> </u>	146	<u>37</u>
Illinois	309 105 119 186 20 283 31 81	74 11 32 37 2 94 2 12	14 20 6 5 0 13 0 5	162 49 52 109 6 135 24 53	12 1 11 4 1 4 1	35 17 10 29 11 31 5 8	12 7 8 2 0 6 0 2
Kenses	114 72 130 35	34 222 36 3	7 3 11 3	56 43 65 22	0 1 0 0	16 3 17 6	1 0 1 1

TABLE 15 (Continued)
ESTIMATED ACTIVE WOMEN NONPILOT CERTIFICATES HELD, BY FAA REGION AND STATE:

DECEMBER 31, 1983 1/

FAA Region and State	Total	Mechanic	Parachute Rigger	Ground Instructor	Dispetcher	Control Tower Operator	Flight Enginer
Southern-Total	1,380	208	137	620	46	320	49
North Caroline		15	39	65	1	30	2
South Carolina		2	5	26	1	18	1
Georgia		15	8	65	2	26	13
Florida		127	24	271	34	123	18
Mississippi		. 5	5	27	0	11	0
Alabama	189	16	6	96	1 6	67	3
Tennessee	148	13 15	36 14	49		34	10
Kentucky	••	7.5	14	21	1	11	2
Southwest-Total	1,071	211	128	<u>501</u>	14	196	<u>21</u>
Louisinens	102	25	2	47	0	26	2
Oklahoma	218	53	19	104	2	37	3
Texas	635	121	89	291	12	107	15
New Mexico	79	9	15	37	0	17	1
Arkansas	37	3	3	22	0	9	0
Western-PacificTotal.	1,462	340	83	616	46	314	<u>62</u>
Havaii	66	6	0	24	8	26	2
Celifornie 3/	1,199	299	66	498	38	246	51
Arizone	148	30	12	76	0	27	3
Nevada	49	5	5	18	0	15	6
Northwest-Hountsin-Total	651	152	44	299	<u>.</u>	115	<u>33</u>
Weshington	233	69	7	82	1 3	52	20
Oregon	85	14	13	46	3 0	12	ŏ
Idaho	39	6	2	19	1	11	Ö
Coloredo	195	48	7	100	3	27	10
Wyoming	19	3	2	11	1	2	0
Uteh	45	9	6	18	0	9	3
Montana	35	3	7	23	0	2	0
Alaskan Region-Total .	131	18	12	44	20	33	4
Outside U.S.—Total 3/.	68	8	<u> 5</u>	34	14	<u>5</u>	1
U.S. Territories-Total 4/	2	3	<u>o</u>	3	<u>o</u>	1	<u>o</u>
Puerto Rico	5	3	0	2	0	0	0
Virgin Island	1 2	1 0	0	1 1		1 1	0

Estimated: Date is based on a 25-month criteria.

^{1/} Data for control tower operators, flight engineers, and flight navigators represent total active ratings held. Data for dispatches, mechancis, parachute riggers, and ground instructors, represent total ratings issued to date. These ratings retain their validity.

^{2/} Includes Quiside U.S.
3/ Includes one women from California and Outside U.S. with a current certificate for flight navigator.
4/ U.S. Territories are included in Outside of U.S. total.

III. PILOT CERTIFICATES ISSUED

TABLE 16

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PILOT CERTIFICATES ISSUED, BY CATEGORY: CALENDAR YEARS 1979-1983

	1979	6	0861		1861		1982		1983	
Category of Certificates	Original	Additional	Original	Additional	Original	Additional	Original	Additional	Original	Additional
Pilot-Total	207,360	41,331	180,742	38,791	177,861	33,532	163,733	36,699	150,368	30,898
Student	128,749 54,466 12,627 8,981 1,300 642 595	0 16,466 17,793 6,603 283 187 157	107,808 50,458 12,452 7,116 1,721 5,833 604	0 16,035 16,015 6,289 272 151 29	111,531 45,713 10,657 4,763 1,985 1,985 2,583	0 14,897 12,146 5,991 302 1302 1303	90,816 52,144 11,048 5,037 2,256 1,639 3,	0 16.276 11,910 7,956 330 184 43 <u>3</u> /	92,188 41,210 8,789 5,643 1,932 606	0 12,721 9,513 8,187 315 162
Nonpilot-Total	17,895	7,129	17,280	7,275	867'81	7,263	21,016	\$59*8	17,932	7,378
Mechanic	9,697 201 2,081 1,109 1,109 4,513 6,716	3,812 45 513 2,483 0 276 6,072	11,640 185 1,981 351 1,179 1,935 7,188	4,254 50 570 2,286 0 115 6,953	13,673 232 1,861 302 1,186 1,236 6,461	4,790 17 384 1,1,897 0 174 8,767	15,622 215 1,882 499 1,550 1,245 6,228	5,636 31 383 1 2,388 0 216 10,397	11,676 1,524 1,524 632 2,230 1,641 4,614	4,470 13 371 1,958 1,958 563 7,698

r/ Revised.

Note: Additional ratings are entered on current airman certificates as follows: Private, commercial, and airline transport pilot--aircraft category, class, and type instrument rating. Helicopter pilot--instrument and type ratings. Flight instructor--ratings for each aircraft category in which the holder is qualified, and for instrument flying instruction. Mechanic--airframe and powerplant ratings. Parachute rigger--senior or master rigger ratings. Ground instructor--ratings for each subject in which the holder is qualified to give instruction. Air traffic control tower operator--junior/senior ratings for airport where holder may control air traffic.

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Special ratings shown on pilot certificates represented above; not to be added to total.

^{2/} Not included in total.

^{3/} Six month total.

TABLE 17

PILOT CERTIFICATES ISSUED, BY CATEGORY AND CONDUCTOR: December 31, 1983

Category of	Total		Original	Isbuances			Additional Ratings	Ratings	
Certificates	Issued	Total	Examiner	Inspector	No Test	Total	Examiner	Inspector	No Test
Total	206,576	168,300	59,238	95,844	13,111	38,276	29,036	2,690	3,550
Pilot-Total	181,266	150,368	46,657	95,229	8,482	30,898	22,752	5,619	2,527
Student	92,188	92,188	37,212	92,188	3,767	0 12,721	0 0 11,961	0 191	0 299
Atriine transport Helicopter (only)	13,830 13,830 2,247 768	8,789 5,643 1,932	6,213 2,155 526 526	2,426 159 159	2,381 1,062 1,247	9,513 8,187 315	7,685 2,819 137	352 4,992 105	1,476 376 73
NonpilotTotal	25,310	17,932	12,581	722	4,629	7,378	6.284	71	1,023
Mechanic	16,146	11,676	9,235		2,419	4,470	4,225	n -	240
Ground Instructor	1,895	1,524	110	20 20	1,412	371	`ቋ"	- ~ ~	335
Control tower operator .	4,188	2,230	2,141		8 5	1,958	1,884 0	, n c	
Flight engineer	2,204	1,641	738	7460	443	263	133	19	369
Flight instructor*	12,312	4,614	4,404	192	81	7,698	7,192	497	6

Note: Excludes Renewals.

Additional ratings are entered on current airman certificates as follows:
Private, Commercial, a.d Airline Transport Pilot-Aircraft Category, Class and Type Instrument Rating.
Helicopter Pilot-Instrument and Type Ratings.
Filght Instructor-Ratings for each aircraft category in which the holder is qualified to instruct, and ratings for

instrument flying instruction.
Mechanic--Airframe and Powerplant Ratings.
Parachute Rigger—Senior or Master Rigger Ratings.
Ground Instructor—Ratings for each subject in which the holder is qualified to give gound instruction.
Air Traffic Control Tower Operator—Junior/Senior Ratings for airports where holder may control air traffic.

*Special ratings shown on pilot certificates represented above, not to be added to total.

TAXABLE PARTY AND

TABLE 18

INSTRUMENT RATINGS ISSUED: 1983, 1982, 1979

Class of Certificates	1983	1982	1979	Percent Change 1983-1982
TotalAll Groups	11,078	14,517	16,651	-24
Private airplane (only)	7,034 6,549 92 20 149 1,149 2,956 2,956 2,376 2,376 2,376 2,376 2,495	3,493 3,493 2,646 100 100 100 110 100 100 100 100 100 10	9,584 128 20 20 220 0 353 5,602 4,646 4,646 22 22 22 22 22 23 25 25 25 35 35 35 35 35 35 35 35 35 35 35 35 35	26 - 27 - 17 - 17 - 17 - 18 - 19 - 19 - 19 - 19 - 19 - 19 - 19
Commercial airplane, private glider, commercial helicopter	4 4 c	11	23 4	200
totorcraft Pilots-Total	1,088	1,365	710	12-
Commercial helicopter, airline transport helicopter	0012	113 0 0	21 4 9 0	1 000

TABLE 19
STUDENT CERTIFICATES ISSUED, BY MONTH: 1979-1983

Month	1983	1982	1981	1980	1979
Total	92,188	90,816	111,531	107,808	128,749
January	6,511	6,306	8,377	8,061	8,668
February	6,146	6,208	7,763	7,783	7,570
March	7,724	7,600	9,318	7,970	10,474
April	6,737	7,081	9,119	8,481	10,094
May	7,650	7,559	8,797	8,425	11,640
June	9,344	8,997	11,330	9,854	13,158
July	9,253	9,143	12,057	11,340	13,801
August	10,426	8,781	11,041	10,353	13,819
September	8,971	8,532	10,120	10,695	11,542
October	8,040	7,978	9,287	10,071	12,110
November	6,494 (P)	7,165	7,812	7,723	9,040
December	4,892 (P)	5,466	6,510	7,052	6,833

P/ Preliminary

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